

HISTORIC AMERICAN ENGINEERING RECORD

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HAER
WASH
27-TACO,
11-

TACOMA NARROWS BRIDGE

HAER No. WA-99

State Route 16 spanning the Tacoma Narrows
Tacoma
Pierce County
Washington

Jet Lowe, photographer, 1993.

HAER WA-99-1	TACOMA NARROWS BRIDGE IN PERSPECTIVE LOOKING WEST FROM THE "MILLERS ADDITION" SUBDIVISION
HAER WA-99-2	SAME VISTA WITH SUBDIVISION IN FOREGROUND
HAER WA-99-3	LONG SHOT ELEVATION FROM SOUTH; NOTE SWAY BRACING CONNECTING LOWER PART OF TOWERS TO ROADWAY TRUSS, SOME BROKEN MEMBERS CAN BE SEEN
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HAER WA-99-16	VIEW UP SOUTH CABLE LOOKING EAST (VIEW TAKEN WITH PHOTOGRAPHER SITTING ON THE CABLE FOR STABILITY WHILE HANDHOLDING A 4X5 TECKNIKA CAMERA)
HAER WA-99-17	VIEW LOOKING EAST TOWARD EASTERN TOWER OF CABLE HALFWAY UP
HAER WA-99-18	WOLFGANG MAYR STANDING AT UPRIGHTS FOR THE CABLE RAILING LOOKING WEST
HAER WA-99-19	BRIDGE PERSPECTIVE FROM WESTERN BANK OF NARROWS LOOKING EAST
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HAER WA-99-24	DAMPING MECHANISM, CENTER SPAN CAMERA HELD OUTSIDE OF RAILING
HAER WA-99-25	DETAIL ELEVATION OF DAMPING MECHANISM NEAR CAR RAIL
HAER WA-99-26	SOUTHEAST CABLE ANCHORAGE WITHOUT MEASURING STICK
HAER WA-99-27	SOUTHEAST CABLE ANCHORAGE WITH MEASURING STICK
HAER WA-99-28	VIEW OF CABLE SPLAYING WHERE CABLE COMES INTO ANCHORAGE, SE ANCHORAGE
HAER WA-99-29	ANCHORAGE EYEBARS WHERE INDIVIDUAL STRANDS GOT WOUND INTO CABLES

THESE SIX IMAGES ARE PHOTOGRAPHIC COPIES OF HISTORIC PHOTOGRAPHS

HAER WA-99-30	TACOMA NARROWS BRIDGE, LOOKING EAST THROUGH TOLL LANES, 29 AUGUST 1940. (ELDRIDGE, CLARK H. "TACOMA NARROWS BRIDGE, TACOMA, WASHINGTON, FINAL REPORT ON DESIGN AND CONSTRUCTION," 1941)
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HAER WA-99-31 TACOMA NARROWS BRIDGE, LOOKING WEST ACROSS
TOLL PLAZA, 29 AUGUST 1940. (ELDRIDGE, CLARK
H. "TACOMA NARROWS BRIDGE, TACOMA, WASHINGTON,
FINAL REPORT ON DESIGN AND CONSTRUCTION,"
1941)

HAER WA-99-32 VERTICAL OSCILLATIONS, 3/4 VIEW, 7 NOVEMBER
1940, FROM 16MM FILM SHOT BY PROFESSOR F. B.
FARQUHARSON, UNIVERSITY OF WASHINGTON.
("LABORATORY STUDIES ON THE TACOMA NARROWS
BRIDGE, AT UNIVERSITY OF WASHINGTON" [SEATTLE:
UNIVERSITY OF WASHINGTON, DEPARTMENT OF CIVIL
ENGINEERING, 1941])

HAER WA-99-33 VERTICAL AND TORSIONAL OSCILLATIONS, 3/4 VIEW,
7 NOVEMBER 1940, FROM 16MM FILM SHOT BY
PROFESSOR F. B. FARQUHARSON, UNIVERSITY OF
WASHINGTON. ("LABORATORY STUDIES ON THE TACOMA
NARROWS BRIDGE, AT UNIVERSITY OF WASHINGTON"
[SEATTLE: UNIVERSITY OF WASHINGTON, DEPARTMENT
OF CIVIL ENGINEERING, 1941])

HAER WA-99-34 VERTICAL AND TORSIONAL MOTION VIEWED FROM EAST
TOWER, 7 NOVEMBER 1940, FROM 16MM FILM SHOT BY
PROFESSOR F. B. FARQUHARSON, UNIVERSITY OF
WASHINGTON. ("LABORATORY STUDIES ON THE TACOMA
NARROWS BRIDGE, AT UNIVERSITY OF WASHINGTON"
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OF CIVIL ENGINEERING, 1941])

HAER WA-99-35 VERTICAL AND TORSIONAL MOTION FROM EAST TOWER
SHOWING ANGULAR DISTORTION APPROACHING 45
DEGREES WITH LAMP POSTS APPEARING TO BE AT
RIGHT ANGLES, 7 NOVEMBER 1940, FROM 16MM FILM
SHOT BY PROFESSOR F. B. FARQUHARSON,
UNIVERSITY OF WASHINGTON. ("LABORATORY STUDIES
ON THE TACOMA NARROWS BRIDGE, AT UNIVERSITY OF
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All color xeroxes were made from a duplicate color transparency.

Jet Lowe, photographer, 1993

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HAER WA-99-36-CT	TACOMA NARROWS BRIDGE IN PERSPECTIVE LOOKING WEST FROM THE "MILLERS ADDITION" SUBDIVISION
HAER WA-99-37-CT	ORIGINAL UNREPLACED APPROACH FROM FIRST SUSPENSION BRIDGE